SEQUENCE LISTING

<110> O'Mahony, Daniel J.
Lambkin, Imelda J.

<120> MEMBRANE TRANSLOCATING PEPTIDE DRUG DELIVERY SYSTEM

<130> E1067/20018

<140> 09/671,089
<141> 2000-09-27

<150> 60/156,246
<151> 1999-09-27

<160> 59

<170> PatentIn version 3.1

<210> 1
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 1

Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10

<210> 2
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<220>
<221> MOD_RES
<222> (15)..(15)
<223> linked to FITC-LC

<400> 2

Lys Lys Ala Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10 15

<210> 3
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 3

Lys Lys Lys Ala Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10 15

<210> 4
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 4

Lys Lys Ala Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro Arg
1 5 10 15

Glu Asp Leu

<210> 5
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 5

Lys Lys Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro Cys

1 5 10 15

<210> 6
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 6

Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Cys
1 5 10

<210> 7
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic internal

<400> 7

Lys Lys Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Cys
1 5 10

<210> 8
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 8

Cys Ala Ala Val Leu Leu Pro Val Leu Leu Cys
1 5 10

<210> 9
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 9

Cys Ala Ala Val Leu Leu Pro Val Leu Cys
1 5 10

<210> 10
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 10

Cys Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro Cys
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 11

Cys Val Leu Leu Pro Val Leu Leu Ala Ala Pro Cys
1 5 10

<210> 12
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 12

Cys Leu Leu Pro Val Leu Leu Ala Ala Pro Cys
1 5 10

<210> 13
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic

<400> 13

Cys Leu Pro Val Leu Leu Ala Ala Pro Cys
1 5 10

<210> 14
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 14

Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 15

Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala
1 5 10

<210> 16

<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 16

Lys Lys Ala Ala Val Leu Leu Pro Val Leu Leu Ala
1 5 10

<210> 17
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 17

Ala Ala Val Leu Leu Pro Val Leu Leu
1 5

<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 18

Ala Ala Val Leu Leu Pro Val Leu
1 5

<210> 19
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 19

Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 20

Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 21

Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5

<210> 22
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 22

Leu Pro Val Leu Leu Ala Ala Pro
1 5

<210> 23
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 23

Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Lys Lys Lys Arg Lys
1 5 10 15

Ala

<210> 24
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 24

Lys Lys Lys Arg Lys Ala Ala Ala Ala Val Leu Leu Pro Val Leu Leu
1 5 10 15

Ala

<210> 25
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)

<223> "r is A or G"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature

<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (34)..(34)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature

<222> (39)..(39)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (45)..(45)
<223> "n is A or C or G or T"

<400> 25
aaraargcng cngcngtnyt nytnccngtn ytnytngcng cnccn
45

<210> 26
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "y is C or T"

<220>

<221> misc_feature
<222> (9)..(9)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (28)..(28)
<223> "y is C or T"

<220>

<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (40)..(40)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (43)..(43)
<223> "y is C or T"

<220>

<221> misc_feature
<222> (45)..(45)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (48)..(48)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (51)..(51)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (54)..(54)
<223> "n is A or C or G or T"

<400> 26
ytntgyaara araargcngc ngcngtnytn ytnccngtny tnytngcngc nccn
54

<210> 27
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (34)..(34)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (45)..(45)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (46)..(46)
<223> "m is A or C"

<220>
<221> misc_feature
<222> (48)..(48)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (51)..(51)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (54)..(54)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (55)..(55)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (57)..(57)
<223> "n is A or C or G or T"

<400> 27
aaraargcng cngcngtnyt nytnccngtn ytnytngcng cnccnmgnga rgayytn
57

<210> 28

<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (34)..(34)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (45)..(45)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (48)..(48)
<223> "y is C or T"

<400> 28
aaraartgyg cngcngtnyt nytnccngtn ytnytngcng cnccntgy
48

<210> 29
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (28)..(28)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "y is C or T"

<400> 29
tgygcngcng tnytnytncc ngtnytnytn gcngcntgy
39

<210> 30
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)

<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (28)..(28)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (30)..(30)

<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "y is C or T"

<400> 30
tgygcngcng tnytnytncc ngtnytnytn gcntgy
36

<210> 31
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature

<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature

<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (28)..(28)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "y is C or T"

<400> 31
tgygcngcng tnytnytncc ngtnytnytn tgy
33

<210> 32
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>

<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>

<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "y is C or T"

<400> 32
tgygcngcng tnytnytncc ngtnytntgy
30

<210> 33
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "y is C or T"

<400> 33
tgygcngtny tnytnccngt nytnytngcn gcnccntgy
39

<210> 34
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (7)..(7)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "y is C or T"

<400> 34
tgygtnytny tnccngtnyt nytngcngcn ccntgy
36

<210> 35
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (4)..(4)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (7)..(7)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "y is C or T"

<400> 35
tgyytnytnc cngtnytnyt ngcngcnccn tgy
33

<210> 36
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (4)..(4)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)

<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)

<223> "y is C or T"

<400> 36
tgyytnccng tnytnytngc ngcnccntgy
30

<210> 37
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature

<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature

<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<400> 37
gcngcngtny tnytnccngt nytnytngcn gcnccn
36

<210> 38
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>

<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>

<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<400> 38
gcngcngtny tnytnccngt nytnytngcn gcn
33

<210> 39
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (28)..(28)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<400> 39
aaraargcng cngtnytnyt nccngtnytn ytngcn
36

<210> 40

<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<400> 40
gcngcngtny tnytnccngt nytnytn
27

<210> 41
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (25)..(25)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<400> 41
gcngcngtny tnytnccngt nytnytn
27

<210> 42
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)

<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (7)..(7)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)

<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (22)..(22)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<400> 42
gcngtnytny tnccngtnyt nytngcngcn ccn
33

<210> 43
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (4)..(4)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (7)..(7)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature

<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (19)..(19)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<400> 43
gtnytnytnc cngtnytnyt ngcngcnccn
30

<210> 44
<211> 27
<212> DNA

<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (4)..(4)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>

<221> misc_feature
<222> (15)..(15)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (16)..(16)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is for A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is for A or C or G or T"

<400> 44
ytnytnccng tnytnytngc ngcnccn
27

<210> 45
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (3)..(3)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (13)..(13)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<400> 45
ytnccngtny tnytngcngc nccn
24

<210> 46
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (5)..(5)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (8)..(8)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (11)..(11)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (14)..(14)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (17)..(17)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (20)..(20)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (23)..(23)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (26)..(26)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (29)..(29)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (32)..(32)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (35)..(35)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (38)..(38)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (41)..(41)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "m is A or C"

<220>
<221> misc_feature
<222> (44)..(44)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (47)..(47)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (50)..(50)
<223> "n is A or C or G or T"

<400> 46
cngcngtnyt nytnccngtn ytnytngcng cnaaraaraa rmgnaargcn
50

<210> 47
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> encodes membrane translocating peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (6)..(6)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (9)..(9)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (10)..(10)
<223> "m is A or C"

<220>
<221> misc_feature
<222> (12)..(12)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (15)..(15)
<223> "r is A or G"

<220>
<221> misc_feature
<222> (18)..(18)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (21)..(21)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (24)..(24)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (27)..(27)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (30)..(30)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (31)..(31)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (33)..(33)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (34)..(34)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (36)..(36)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (39)..(39)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (42)..(42)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (43)..(43)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (45)..(45)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (46)..(46)
<223> "y is C or T"

<220>
<221> misc_feature
<222> (48)..(48)
<223> "n is A or C or G or T"

<220>
<221> misc_feature
<222> (51)..(51)
<223> "n is A or C or G or T"

<400> 47
aaraaraarm gnaargcngc ngcngcngtn ytnytnccng tnytnytngc n
51

<210> 48
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated membrane translocating peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 48

Lys Lys Lys Ala Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10 15

<210> 49
<211> 44
<212> PRT

<213> Artificial Sequence

<220>
<223> dansylated membrane translocating peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 49

Lys Ser Asp His Ala Leu Gly Thr Asn Leu Arg Ser Asp Asn Ala Lys
1 5 10 15

Glu Pro Gly Asp Tyr Asn Cys Cys Gly Asn Gly Asn Ser Thr Gly Arg
20 25 30

Lys Val Phe Asn Arg Arg Arg Ser Ala Ile Pro Tyr
35 40

<210> 50
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated membrane translocating peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 50

Lys Pro Gly Asp Tyr Asn Cys Cys Gly Asn Gly Asn Ser Thr Gly
1 5 10 15

<210> 51
<211> 41
<212> PRT

<213> Artificial Sequence

<220>
<223> dansylated membrane translocating peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 51

Lys Leu Ser Thr Pro Pro Ser Arg Glu Ala Tyr Ser Arg Pro Tyr Ser
1 5 10 15

Val Asp Ser Asp Ser Asp Thr Asn Ala Lys His Ser Ser His Asn Arg
20 25 30

Arg Leu Arg Thr Arg Ser Arg Pro Asn
35 40

<210> 52
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated cyclic D form peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> D form amino acid

<220>
<221> MISC_FEATURE
<222> (7)..(7)

<223> D form amino acid

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> D form amino acid

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> D form amino acid

<220>
<221> MISC_FEATURE
<222> (14)..(14)
<223> D form amino acid

<400> 52

Lys Lys Thr Arg Lys Ser Ser Arg Ser Asn Pro Arg Gly Arg Arg His
1 5 10 15

Pro Gly

<210> 53
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> D form retroinversion peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<220>
<221> MISC_FEATURE
<222> (2)..(16)

<223> D form amino acid

<400> 53

Lys Arg Thr Arg Leu Arg Arg Asn His Ser Ser His Lys Ala Asn Thr
1 5 10 15

<210> 54
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated membrane translocating peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 54

Lys Thr Asn Ala Lys His Ser Ser His Asn Arg Arg Leu Arg Thr Arg
1 5 10 15

<210> 55
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated cyclic peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 55

Lys Lys Thr Asn Ala Lys His Ser Ser His Asn Arg
1 5 10

<210> 56
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated peptide, cyclic internal

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<400> 56

Lys Thr Asn Ala Lys His Ser Ser Cys Asn Arg Arg Leu Arg Cys Arg
1 5 10 15

<210> 57
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> dansylated peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> dansylated

<220>
<221> MOD_RES
<222> (42)..(42)
<223> blocked

<400> 57

Lys Ser Pro Cys Gly Gly Ser Trp Gly Arg Phe Met Gln Gly Gly Leu
1 5 10 15

Phe Gly Gly Arg Thr Asp Gly Cys Gly Ala His Arg Asn Arg Thr Ser

20 25 30

Ala Ser Leu Glu Pro Pro Ser Ser Asp Tyr
35 40

<210> 58
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide, cyclic internal

<400> 58

Lys Lys Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Cys
1 5 10

<210> 59
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane translocating peptide

<400> 59

Lys Lys Ala Ala Val Leu Leu Pro Val Leu Leu Ala
1 5 10